



| | | | | | |
|---|--|--|--|----------------------|------------|
| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DKT. NO. | SERIAL NO. |
| | | | | 500.41283X00 | 10/082,160 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT | |
| | | | | Y. TAKAHASHI, et al. | |
| | | | | FILING DATE | GROUP |
| | | | | February 26, 2002 | 2818 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|------|------|-------|----------|-------------|
| AA | | | | | | |
| AB | | | | | | |
| AC | | | | | | |
| AD | | | | | | |
| AE | | | | | | |
| AF | | | | | | |
| AG | | | | | | |
| AH | | | | | | |
| AI | | | | | | |
| AJ | | | | | | |
| AK | | | | | | |
| AL | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation /Abstract | |
|------------------|------------------|----------|---------|-------|----------|-----------------------|-----|
| | | | | | | Yes | No |
| AM | JP6104248 | 04/15/94 | Japan | | | Abstr | act |
| AN | JP20010046 76 | 01/12/01 | Japan | | | Abstr | act |
| AO | JP20010353 45 | 02/09/01 | Japan | | | Abstr | act |
| AP | JP5121468 | 05/18/93 | Japan | | | Abstr | act |
| AQ | | | | | | | |
| AR | | | | | | | |
| AS | | | | | | | |
| AT | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----------|-----------------|
| AU | |
| AV | |
| AW | |
| AX | |
| AY | |
| AZ | |
| Examiner | Date Considered |